

## ABSTRACT

A solvent vapor sensor for determining amounts of solvent vapor flowing during a solvent dry cleaning process is provided. The solvent cleaning process utilizes a solvent based cleaning fluid primarily made up of cyclic siloxane solvent. The solvent vapor sensor, i.e., a chemical specific sensor, may be configured in various forms, such as a spectroscopic sensor, a piezo-based sensor, a strain-gauge based sensor, and a capacitive sensor.